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Search for patents that relate to PTC use in ink jet printers

L25 ANSWER 6 OF 8 JAPIO COPYRIGHT 1999 JPO and Japio
ACCESSION NUMBER: 89-299045 JAPIO
TITLE: TEMPERATURE CONTROLLER FOR INK JET
PRINTER HEAD
INVENTOR: KOIKE TAKAO
PATENT ASSIGNEE(S): FUJII XEROX CO LTD, JP (CO 359761)
PATENT INFORMATION:

PATENT NO	KIND	DATE	ERA	MAIN IPC
JP 01299045	A	19891201	Heisei	(4) B41J003-04

APPLICATION INFORMATION

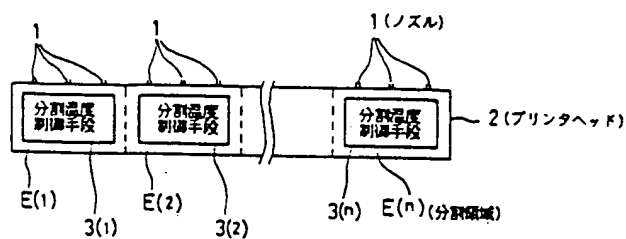
STN FORMAT: JP 88-128270 19880527
ORIGINAL: JP63128270 Heisei
SOURCE: PATENT ABSTRACTS OF JAPAN, Unexamined Applications.
Section: M, Sect. No. 936, Vol. 14, No. 83, P. 124
(19900216)

INT. PATENT CLASSIF.:

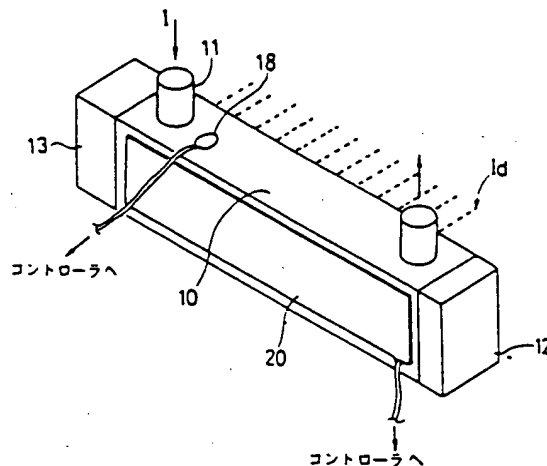
MAIN: (4) B41J003-04
SECONDARY: (4) B41J003-04; (4) B41J003-04
CLASSIFICATION: 29.4 PRECISION INSTRUMENTS - Business machine
CONTROLLED TERM: R105 INFORMATION PROCESSING - Ink jet printer
ABSTRACT:

PURPOSE: To keep the temperature of an ink jet printer head at fixed temperatures at every division to the unequal variation of the temperature gradient of ink, an ambient temperature, etc. by providing a dividing temperature control means separately controlling each temperature of a plurality of the divisions set along the direction of the array of nozzles for the printer head.
CONSTITUTION: Dividing temperature control means 3(1)-3(n) are composed of heating resistors 22(1)-22(n) respectively connected in series, heat-sensitive resistors 23(1)-23(n) as the resistance temperature characteristics of positive temperature coefficients and a conduction means conducting the heating resistors under the state of series connection and the heat-sensitive resistor. The conduction means is materialized by providing a temperature detecting means 18 detecting a temperature at the specified position of a printer head 2 and a basic conduction-quantity control means 30 controlling the basic quantity of conduction according to a detecting temperature by the temperature detecting means. The control of the basic quantity of conduction means rough control according to the state of the temperature at the specified position of the temperature of the printer head. Conduction is controlled further according to each section within the range of the basic quantity of conduction, and temperature control having more excellent accuracy can be realized.

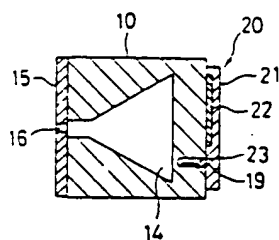
第 1 図



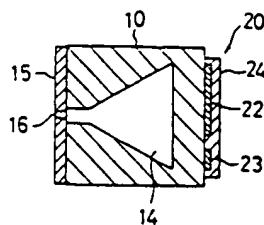
第 2 図



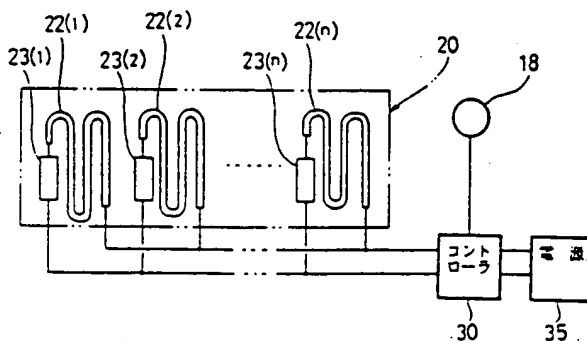
第 3 図



第 4 図



第 5 図



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代理人 弁理士 中村 智廣
(外 3 名)

